

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Art Unit: ***

Clmpto

Le

07-16-04

1. A method for scheduling and delivery of a product to a buyer along the buyer's commuting route, comprising:

receiving route information from a buyer;
selecting from a plurality of pickup points a pickup point based on the route information; and
dispatching a mobile pickup station to the pickup point, the mobile pickup station containing a product ordered by the buyer.

2. The method of Claim 1, wherein selecting a pickup point further comprises:

receiving a channel width from the buyer;
calculating a channel area using the channel width and the route information;
determining a set of pickup points from the plurality of pickup points based on the channel area;
selecting from the set of pickup points a pickup point.

3. The method of Claim 1, wherein the plurality of pickup points is determined using an approximate buyer route concentration based on route usage.

4. The method of Claim 1, further comprising:

receiving a plurality of routes from a plurality of buyers;
and
determining the plurality of pickup points based on the plurality of routes.

5. The method of Claim 1, further comprising:

receiving a specification of a plurality of preferred products;
receiving an occurrence rate for each of the plurality of preferred products; and
ordering the product for the buyer using the occurrence rates.

6. The method of Claim 1, further comprising reminding the buyer via email that a product delivery is scheduled at the pickup point.

Group I

Group I - 705/8
Group II - 705/10
Group III - 705/9

Group IV - 705/8
Group V - 705/27
Group VI - 705/26

Art Unit: ***

7. The method of Claim 1, further comprising reminding the buyer telephonically that a product delivery is scheduled at the pickup point.

8. The method of Claim 1, wherein:

- the mobile pickup station includes a plurality of lockers for containing products, each of the plurality of lockers having a unique access code; and
- giving the buyer an access code for a locker containing the buyer's product, the locker selected from the plurality of lockers.

9. A method of determining for a buyer a store where a product may be purchased, comprising:

- receiving product information from a buyer;
- receiving route information from the buyer, the route information including a route and channel width; and
- selecting a set of stores from a plurality of stores based on the product information and the route information.

10. The method of Claim 9, wherein selecting the set of stores comprises:

- providing a store database, the store database containing location and product information for each of the plurality of stores;
- using the route and channel width to calculate a channel area; and
- searching the store database for a set of stores carrying the product wherein each store in the set of stores is located within the channel area.

Group I

Group II

Art Unit: ***

11. A method for scheduling and delivery of a product to a buyer by a seller using a third party seller affiliate, comprising:
receiving an order for a product from a buyer;
receiving route information from a buyer;
selecting from a plurality of pickup points a pickup point based on the route information;
selecting a third party seller affiliate from a plurality of third party sellers based on the location of the pickup point; and
dispatching by the third party seller affiliate a mobile pickup station to the pickup point, the mobile pickup station containing the products ordered by the buyer.

Group I

12. A method for scheduling and delivery of a product to a buyer along the buyer's commuting route, comprising:
receiving route information from a buyer;
selecting from a plurality of fixed pickup stations a fixed pickup station based on the route information; and
delivering a product ordered by the buyer to the fixed pickup station.

Group III

13. The method of Claim 12, wherein selecting a fixed pickup station further comprises:
receiving a channel width from the buyer;
calculating a channel area using the channel width and the route information;
determining a set of fixed pickup stations from the plurality of fixed pickup stations based on the channel area;
selecting from the set of fixed pickup stations a fixed pickup station.

Art Unit: ***

14. The method of Claim 12, further comprising:
receiving a specification of a plurality of preferred products;
receiving an occurrence rate for each of the plurality of preferred products; and
ordering the product for the buyer using the occurrence rates.
15. The method of Claim 12, further comprising reminding the buyer via email that a product delivery is scheduled at the fixed pickup station.
16. The method of Claim 12, further comprising reminding the buyer telephonically that a product delivery is scheduled at the fixed pickup station..
17. The method of Claim 12, wherein:
the fixed pickup station includes a plurality of lockers for containing products, each of the plurality of lockers having a unique access code; and
giving the buyer an access code for a locker containing the buyer's product, the locker selected from the plurality of lockers.
18. A method for scheduling pickup of a package from a user along the user's commuting route, comprising:
receiving route information from a user;
selecting from a plurality of pickup points a pickup point based on the route information; and
dispatching a mobile pickup station to the pickup point, the mobile pickup station for picking up the package from the user.

Group III

~~Group III~~
Group IV

Art Unit: ***

19. The method of Claim 18, wherein selecting a pickup point further comprises:

- receiving a channel width from the user;
- calculating a channel area using the channel width and the route information;
- determining a set of pickup points from the plurality of pickup points based on the channel area;
- selecting from the set of pickup points a pickup point.

20. The method of Claim 18, wherein the plurality of pickup points is determined using an approximate user route concentration based on route usage.

21. The method of Claim 18, further comprising:

- receiving a plurality of routes from a plurality of users;
- and
- determining the plurality of pickup points based on the plurality of routes.

22. The method of Claim 18, further comprising reminding the user via email that a package pickup is scheduled at the pickup point.

23. The method of Claim 18, further comprising reminding the user telephonically that a package pickup is scheduled at the pickup point.

24. The method of Claim 18, wherein:

- the mobile pickup station includes a plurality of lockers for containing products, each of the plurality of lockers having a unique access code; and

Group IV

Art Unit: ***

- giving the user an access code for a locker containing the user's product, the locker selected from the plurality of lockers.

Group IV

25. A method for scheduling pickup of a package from a user along the user's commuting route, comprising:

- receiving route information from a user; and
- selecting from a plurality of fixed pickup stations a fixed pickup station based on the route information.

26. The method of Claim 25, wherein selecting a fixed pickup station further comprises:

- receiving a channel width from the user;
- calculating a channel area using the channel width and the route information;
- determining a set of fixed pickup stations from the plurality of fixed pickup stations based on the channel area;
- selecting from the set of fixed pickup stations a fixed pickup station.

Group III

27. The method of Claim 25, further comprising reminding the user via email that a package pickup is scheduled at the fixed pickup station.

28. The method of Claim 25, further comprising reminding the user telephonically that a package pickup is scheduled at the fixed pickup station.

29. The method of Claim 25, wherein:

Art Unit: ***

the fixed pickup station includes a plurality of lockers for containing packages, each of the plurality of lockers having a unique access code; and giving the user an access code for a locker to contain the user's package, the locker selected from the plurality of lockers.

Group III

30. A method for scheduling and delivery of a product to a buyer along the buyer's commuting route, comprising:

receiving route information from a buyer;
receiving a channel width from the buyer;
calculating a channel area using the channel width and the route information;
determining a set of pickup points from a plurality of pickup points based on the channel area;
selecting from the set of pickup points a pickup point; and
dispatching a mobile pickup station to the pickup point, the mobile pickup station containing a product ordered by the buyer.

Group I

31. The method of Claim 30, wherein the plurality of pickup points is determined using an approximate buyer route concentration based on route usage.

32. The method of Claim 30, further comprising:

receiving a plurality of routes from a plurality of buyers;
and
determining the plurality of pickup points based on the plurality of routes.

Art Unit: ***

33. A data processing system adapted to schedule and deliver a product to a buyer along the buyer's commuting route, comprising:

- a processor; and
- a memory operably coupled to the processor and having program instructions stored therein, the processor being operable to execute the program instructions, the program instructions including:

- receiving route information from a buyer;
- selecting from a plurality of pickup points a pickup point based on the route information; and
- dispatching a mobile pickup station to the pickup point, the mobile pickup station containing a product ordered by the buyer.

Group I

34. The data processing system of Claim 33, wherein the program instructions for selecting a pickup point further include:

- receiving a channel width from the buyer;
- calculating a channel area using the channel width and the route information;
- determining a set of pickup points from the plurality of pickup points based on the channel area;
- selecting from the set of pickup points a pickup point.

35. The data processing system of Claim 33, the program instructions further including determining the plurality of pickup points using an approximate buyer route concentration based on route usage.

36. The data processing system of Claim 33, the program instructions further including:

Art Unit: ***

receiving a plurality of routes from a plurality of buyers;
and
determining the plurality of pickup points based on the
plurality of routes.

37. The data processing system of Claim 33, the program
instructions further including:

receiving a specification of a plurality of preferred
products;
receiving an occurrence rate for each of the plurality of
preferred products; and
ordering the product for the buyer using the occurrence
rates.

38. The data processing system of Claim 33, the program
instructions further including reminding the buyer via email
that a product delivery is scheduled at the pickup point.

39. The data processing system of Claim 33, the program
instructions further including reminding the buyer
telephonically that a product delivery is scheduled at the
pickup point.

Group I

40. A data processing system adapted to determine for a buyer a
store where a product may be purchased along the buyer's
commuting route, comprising:

a processor; and
a memory operably coupled to the processor and having
program instructions stored therein, the processor being
operable to execute the program instructions, the program
instructions including:

Group II

Art Unit: ***

receiving product information from a buyer;
receiving route information from the buyer, the route
information including a route and channel width; and
selecting a set of stores from a plurality of stores
based on the product information and the route
information.

41. The data processing system of Claim 40, wherein the program
instructions for selecting the set of stores include:

accessing a store database containing location and product
information for each of the plurality of stores using the
route and channel width to calculate a channel area; and
searching the store database for a set of stores carrying
the product wherein each store in the set of stores is
located within the channel area.

Group II

42. A data processing system adapted to schedule and deliver a
product to a buyer by a seller using a third party seller
affiliate, comprising:

a processor; and

a memory operably coupled to the processor and having
program instructions stored therein, the processor being
operable to execute the program instructions, the program
instructions including:

receiving an order for a product from a buyer;
receiving route information from a buyer;
selecting from a plurality of pickup points a pickup
point based on the route information;
selecting a third party seller affiliate from a
plurality of third party sellers based on the location
of the pickup point; and

Group I

Art Unit: ***

dispatching by the third party seller affiliate a mobile pickup station to the pickup point, the mobile pickup station containing the products ordered by the buyer.

Group I

43. A data processing system adapted to schedule and deliver a product to a buyer along the buyer's commuting route, comprising:

a processor; and

a memory operably coupled to the processor and having program instructions stored therein, the processor being operable to execute the program instructions, the program instructions including:

receiving route information from a buyer;

selecting from a plurality of fixed pickup stations a fixed pickup station based on the route information;

and

delivering a product ordered by the buyer to the fixed pickup station.

Group III

44. The data processing system of Claim 43, wherein the program instructions for selecting a fixed pickup station further include:

receiving a channel width from the buyer;

calculating a channel area using the channel width and the route information;

determining a set of fixed pickup stations from the plurality of fixed pickup stations based on the channel area;

selecting from the set of fixed pickup stations a fixed pickup station.

Art Unit: ***

45. The data processing system of Claim 43, the program instructions further including:

- receiving a specification of a plurality of preferred products;
- receiving an occurrence rate for each of the plurality of preferred products; and
- ordering the product for the buyer using the occurrence rates.

46. The data processing system of Claim 43, the program instructions further including reminding the buyer via email that a product delivery is scheduled at the fixed pickup station.

47. The data processing system of Claim 43, the program instructions further including reminding the buyer telephonically that a product delivery is scheduled at the fixed pickup station.

48. A data processing system adapted to scheduling pickup of a package from a user along the user's commuting route, comprising:

- a processor; and
- a memory operably coupled to the processor and having program instructions stored therein, the processor being operable to execute the program instructions, the program instructions including:

- receiving route information from a user;
- selecting from a plurality of pickup points a pickup point based on the route information; and

Group III

Group IV

Art Unit: ***

dispatching a mobile pickup station to the pickup point, the mobile pickup station for picking up the package from the user.

49. The data processing system of Claim 48, the program instructions further including:

- receiving a channel width from the user;
- calculating a channel area using the channel width and the route information;
- determining a set of pickup points from the plurality of pickup points based on the channel area;
- selecting from the set of pickup points a pickup point.

50. The data processing system of Claim 48, the program instructions further including determining the plurality of pickup points using an approximate user route concentration based on route usage.

51. The data processing system of Claim 48, the program instructions further including:

- receiving a plurality of routes from a plurality of users;
- and
- determining the plurality of pickup points based on the plurality of routes.

52. The data processing system of Claim 48, the program instructions further including reminding the user via email that a package pickup is scheduled at the pickup point.

Group IV

Art Unit: ***

53. The data processing system of Claim 48, the program instructions further including reminding the user telephonically that a package pickup is scheduled at the pickup point.

Group IV

54. A data processing system adapted to schedule pickup of a package from a user along the user's commuting route, comprising:

a processor; and

a memory operably coupled to the processor and having program instructions stored therein, the processor being operable to execute the program instructions, the program instructions including:

receiving route information from a user;

receiving a channel width from the user;

calculating a channel area using the channel width and the route information;

determining a set of fixed pickup stations from the plurality of fixed pickup stations based on the channel area; and

selecting from the set of fixed pickup stations a fixed pickup station.

Group III

55. (New) A method of selecting a product by a buyer accessing a server via a communications network, the method comprising:

receiving by the server from the buyer via the communications network a specification for preferred products;

receiving by the server from the buyer via the communications network a product category;

generating by the server a set of preferred products using the specification and product category; and

that
Group V

Art Unit: ***

displaying by the server to the buyer via the communications network the set of preferred products.

56. (New) The method of claim 55, wherein the specification includes a limitation on the price of a preferred product.

57. (New) The method of claim 55, wherein the specification includes a plurality of product features preferred by the buyer.

58. (New) A method of purchasing a product by a buyer accessing a server via a communications network, the method comprising:

receiving by the server from the buyer via the communications network a specification for preferred products;

receiving by the server from the buyer via the communications network a date;

selecting by the server the product using the specification; and

ordering the product on the date by the server for the buyer.

59. (New) The method of claim 58, wherein the specification includes a limitation on the price of a preferred product.

60. (New) The method of claim 58, wherein the specification includes a plurality of product features preferred by the buyer.

61. (New) The method of claim 58, further comprising:

receiving an occurrence rate for a specified product; and

wherein selecting by the server the product further comprises using the occurrence rate for the specified product.

Group V

twist

Group VI

Art Unit: ***

62. (New) The method of claim 1, wherein the route information includes a first reference point and a channel width.

63. (New) The method of claim 62, the route information further including a second reference point.

64. (New) The method of claim 62, wherein the first reference point is an address.

65. (New) The method of claim 62, wherein the first reference point includes a Zip Code.

66. (New) The method of claim 62, wherein the first reference point includes a phone number.

67. (New) The data processing system of claim 33, wherein the route information includes a first reference point and a channel width.

68. (New) The data processing system of claim 67, wherein the first reference point includes a Zip Code.

69. (New) The data processing system of claim 67, wherein the first reference point is an address.

70. (New) The data processing system of claim 67, wherein the first reference point is a phone number.

Group